



**In the United States Patent and Trademark Office**

Applicant(s): Hamilton

Title: "Improved Standby Mode for Infrared Data Transceivers"

Serial No.: 09/135,154


Docket No.  
CLB5-B73

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**ENCLOSURE**

**SUMMARY OF TELEPHONE DISCUSSION BETWEEN APPLICANT'S  
ATTORNEY AND THE EXAMINER OF SEPTEMBER 24, 2001, AS  
SUMMARIZED BY APPLICANT'S ATTORNEY.**

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U.S. Patent and Trademark Office  
Brian A. Zimmerman, Primary Examiner  
Group Art Unit: 2635  
Washington, D.C. 20231

Re: U.S. Patent Application for **"Improved Standby Mode for Infrared Data Transceivers"**  
Serial No: 09/135,154, Filed: 8/17/98

Dear Examiner Zimmerman:

As we discussed today on the telephone, please accept this letter as a request for telephone interview upon your return to the office on or about Tuesday, October 9, 2001. In the event that your plans change, please contact me at your convenience.

In advance of our discussion, and in the interest of expediting our interview, I will summarize today's discussion:

I contacted you in order to provide you with an alternate perspective on the Applicant's invention as it relates to the two references cited and the IrDA Specification, namely:

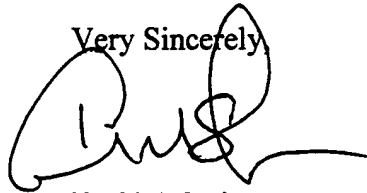
1. My client's device solves a problem with the IrDA specification. The IrDA "Discovery Signal" has a particular frequency and content that identifies it as such. According to the IrDA specification, devices respond to a received Discovery signal by beginning a "handshake." The problem with the IrDA Specification is that there is no provision for devices to remain in a low-power-demand or standby state unless their Ir receive system is turned completely off. Applicant's device and system solves this by providing an IrDA-compliant device that responds uniquely to a received Discovery signal, namely, it switches from a low-power-demand state to a full-power-demand state.
2. The Kohler device is not IrDA-compliant, or at least it's "wake-up" method is not IrDA-compliant, and therefore it does not solve the problem with the IrDA

specification. Since the Kohler device is unable to determine whether an incident Ir signal is an IrDA-compliant Discovery signal, it will not respond any differently to it than it would to any other incident Ir signal – it will wake up first, and then attempt to interpret the nature of future incident signals. Again, Kohler fails to solve the deficiency in the IrDA specification.

3. The Selin device is also not IrDA-compliant in its “sleep mode” of operation. The Selin “sleep mode” is characterized by the device “receiving” for a “short time” at regular intervals, between which the device does not receive any signals at all. The Selin device fails to solve the deficiency in the IrDA specification because unless it is “receiving,” (at full power) it will not respond to an incident IrDA-compliant Discovery signal.

Hopefully this new characterization of the case and the references will lead to your agreement with me that Applicant’s device is novel and nonobvious. I look forward to discussing this case with you further on or about the 9<sup>th</sup>.

Very Sincerely,

A handwritten signature in black ink, appearing to read 'Karl M. Steins', with a long horizontal flourish extending to the right.

Karl M. Steins

Reg. No. 40,186